

REMARKS/ARGUMENTS

After the foregoing Amendment, claims 1-10, 12-22 and 26-29 are currently pending in this application. Claim 11 is canceled without prejudice. Claims 1, 26, and 27 are amended.

Allowable Subject Matter

Applicants thank the Examiner for indicating that claims 11-13, 15-17, and 20-22 contain allowable subject matter.

Claim Objections

Examiner objected to claims 11-13, 15-17, and 20-22 as being dependent upon a rejected base claim. In light of the foregoing Amendment, Examiner's objection to claim 11 is now moot. Accordingly, Applicants respectfully request withdrawal of Examiner's objection to claim 11.

The base claims have been amended such that the Applicants believe are in condition for allowance. The withdrawal of the objection to claims 12-13, 15-17, and 20-22 is respectfully requested.

Claim Rejections - 35 USC §103

Claims 1-7, 9, and 26-27 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 7,006,848 to Ling et al. (hereinafter Ling) in view of U.S. 6,215,988 to Matero (hereinafter Matero). Claim 8 is rejected under 35 U.S.C. §103(a) as being unpatentable over Ling in view Matero and further in view of U.S. Patent No. 5,606,736 to Hasler et al. (hereinafter Hasler). Claim 10 is rejected under 35 U.S.C. §103(a) as being unpatentable over Ling in view of Matero and further in view of U.S. Patent No. 5,966,666 to Yamaguchi et al. (hereinafter Yamaguchi). Claims 14, 28, and 29 are rejected under 35 U.S.C. §103(a) as being unpatentable over Ling in view of Matero and further in view of U.S. Patent No. 5,222,253 to Heck (hereinafter Heck). Claims 18 and 19 are rejected under 35 U.S.C. §103(a) as being unpatentable over Ling et al. in view of Matero and further in view of U.S. Patent No. 5,444,864 to Smith (hereinafter Smith).

Regarding claims 1, 26 and 27, as suggested by the Examiner in indicating claim 11 is allowable, neither Ling, alone or in combination with Matero, appear to teach a MIMO radio transceiver on a single semiconductor integrated circuit that includes a first and second lowpass filter, wherein the first lowpass filter is configured to filter either the first baseband transmit signal that is output to the first transmitter circuit or to filter the first baseband signal produced by the first receiver circuit, and the second lowpass filter is configured to filter either the second

baseband transmit signal that is output to the second transmitter circuit or to filter the second baseband signal produced by the second receiver circuit. Accordingly, Applicants respectfully submit that claims 1, 26 and 27 are allowable over the cited references of record.

Claims 2-10, 12-22, and 28-29 are directly or indirectly dependent upon claim1 which the Applicants believe are allowable over the cited references of record for the same reasons provided above.

Based on the arguments presented above, withdrawal of the 35 U.S.C. §103(a) rejection of claims 1-10, 14, 18, 19, and 26-29 is respectfully requested.

Conclusion

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephonic interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application is in condition for allowance and a notice to that

Applicant: Sugar et al.
Application No.: 10/707,744

effect is respectfully requested.

Respectfully submitted,

Sugar et al.

By /Neil C. Maskeri/
Neil C. Maskeri
Registration No. 61,591

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103
Telephone: (215) 568-6400
Facsimile: (215) 568-6499

WTM/NCM/ljs